

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A heating device for a motor vehicle that includes an internal combustion engine and an engine coolant circuit, the heating device comprising a housing defining a heat generation chamber, a rotor mounted in the heat generation chamber for rotation on a drive shaft, a cooling jacket defining a cooling chamber in heat exchange relationship with the heat generation chamber, the cooling chamber being adapted for circulating the engine coolant and including a coolant inlet and a coolant outlet, and a pump wheel driven by the drive shaft arranged in the cooling chamber for circulating the coolant.
2. (Previously Presented) The device as claimed in claim 1, wherein the cooling jacket has a central protuberance which is arranged coaxially to the drive shaft and outside which the pump wheel is arranged and inside which a shaft stub of the drive shaft is arranged.
3. (Currently Amended) The device as claimed in claim 2 [[1]], wherein the pump wheel can be driven magnetically by the shaft stub.
4. (Previously Presented) The device as claimed in claim 3, wherein permanent magnets are fastened on the circumference of the shaft stub.
5. (Previously Presented) The device as claimed in claim 3, wherein the pump wheel has a hub which is mounted rotatably on the protuberance and in which permanent magnets distributed over the circumference are fastened.
6. (Previously Presented) The device as claimed in claim 3, wherein the pump wheel consists of a magnetizable plastic.
7. (Currently Amended) The device as claimed in claim 1, wherein the pump wheel is designed as an axial/radial wheel and the coolant inlet connection piecee is arranged coaxially to the drive shaft.
8. (Previously Presented) The device as claimed in claim 2, wherein the protuberance

consists of a nonmagnetizable material.

9. (Previously Presented) The device as claimed in claim 1, wherein the cooling chamber is formed from the cooling jacket and from a cover and is designed as a heat exchanger.

10. (Previously Presented) The device as claimed in claim 9, wherein the cooling jacket and/or the cover have cooling ribs which form cooling ducts for the coolant.

11. (Previously Presented) The device as claimed in claim 10, wherein the cooling ducts run radially outward approximately spirally from the pump wheel.

12. (Currently Amended) The device as claimed in claim 11, wherein the coolant outlet connection piecee is arranged on the cooling chamber radially on the outside.

13. (Currently Amended) The device as claimed in claim 1, wherein the heat generation chamber is filled with a viscous medium, and ~~in that~~ the rotor together with the cooling jacket forms at least one operating gap in which the heat is generated by fluid friction.